

AMENDMENTS TO THE SPECIFICATION:

Please amend paragraph [0040] of the specification as follows:

The signals output from the X-axis magnetic sensor 2, the Y-axis magnetic sensor 3 and the Z-axis magnetic sensor 4 are amplified by the amplifier 13, and the amplified output values are converted from analog signals into digital signals by the A/D conversion section 14. After converted into the digital signals, the converted data is acquired/stored, and is then output, if necessary, through the data acquisition section 15 and input to the sensitivity/offset correction calculation section 16. On the basis of the measured magnetism data group from the data acquisition section 15, the offsets and the sensitivity correction coefficients of the X-, Y- and Z-axis magnetic sensors 2, 3 and 4 are calculated to compensate the X-, Y- and Z-axis magnetically measured data are corrected on the basis of the offsets and the sensitivity correction coefficients calculated. These output data are input to the azimuth calculation section [[16]] 20 so that their azimuth information is output. The method for the azimuth operation can be exemplified by the method which is disclosed in our prior application of PCT Laid-Open Application WO2004/003476.